

- 116, 7846 *Mordellistena unicolor* Lec. A few specimens at Cloudcroft and Wootens.
- 117, *Nolosus montanus* Casey. One specimen, Wootens. N.
- 118, *Anthicus* sp. One specimen at Wootens.
- 119, 7959 " *cervinus* Laf. Several specimens at Wootens.
- 120, 8056 *Macrobasis lauta* Horn. One specimen at light, Alamogordo. N.
- 121, 8138 *Cantharis puberula* Lec. One specimen, Wootens. N.
- 122, *Otiorhynchidæ* sp. One specimen, Cloudcroft.
- 123, 8546 *Desmoris constrictus* Say. Several specimens, Wootens.
- 124, *Smicronyx* sp. One specimen, Cloudcroft.
- 125, *Epimechus* n. sp. One specimen, Wootens.
- 126, 9928? *Cossonus crenatus* Horn. Two specimens under bark, Cloudcroft. N.
- 127, 9074 *Pityophorus nitidulus* Mann. Several specimens, Cloudcroft. New to southern New Mexico.
- 128, 9200 *Hylurgops rugipennis* Mann. Common at Cloudcroft. Five or six other undetermined species of Scolytids

A Supplementary List of the Diptera of New Jersey.

By CHARLES W. JOHNSON, Boston, Mass.

Since the publication of Prof. J. B. Smith's list of the insects of New Jersey, in 1900, I have been able to add 166 species, making the total number of Diptera recorded from the State 1359. Prof. Smith, in his investigations of the Culicidæ, has added 23 to the list, and worked out the early stages of 31 of the species. The dates of capture are recorded the same as in the main list, viz.,—the month in roman and the day in arabic numerals. In preparing this list, I am indebted to Prof. Smith for the list of Culicidæ, and to Messrs. E. Daecke, H. L. Viereck, Charles T. Greene and George M. Greene, for important data.

MYCETOPHILIDÆ.

- Platyura subterminatis* Say. Lucaston, ix, 2 (Daecke); Riverton, viii, 11.
- fasciata* Latr.? Lucaston, ix, 2 (Daecke).
- clausa* Coq., page 263, should read *Ceroptatus clausus* Coq.
- Mycetophilus vitrea* Coq. Dunnfield, Delaware Water Gap, viii, 12.

CULICIDÆ.

- Culex sollicitans* Walk. The common mosquito of the coast.
- læniorhynchus* Wied. Anglesea, vi, 21; ix, 6 (Smith).

- Culex confinis* Arrib. Delair, vii, 10; New Brunswick, viii, 3 (Smith).
perturbans Walk. S. Orange, vi, 20; Lahaway, viii, 26; Chester, viii, 1-9.
canadensis Theob. Elizabeth, iv, 29; Lahaway, iv, 25; viii, 1-ix, 14; South Orange, vi, 22.
melanurus. Lahaway (Brakeley).
sylvestris Theob. Anglesea, vi, 24; New Brunswick, vii, viii; Chester, viii; Delair, viii, 10-x, 20; Elizabethport, x.
reptans Meig. Chester, x, 10-16.
cantans Meig. Anglesea, Lahaway, New Brunswick, Newark, South Orange, iv, 18-viii.
trivittatus Coq. Chester, ix, 10.
salinarius Cox. (*C. nigrifolius* Coq., not Zett.). Newark and Elizabethport, viii, 30-x, 27.
restuans Theob. Anglesea, Lahaway, Delair, Newark, Chester, New Brunswick, vi, 14-xi, 20.
territans Walk. Delair, New Brunswick, Newark, Lahaway, Morristown, Mt. Olive, vi, 1-ix, 21.
cantator Coq. Summit, bred, v, 6 (Holmes); salt-marshes (Prof. Smith).
aurifer Coq. Lahaway (Prof. Smith).
dupreei Coq. New Brunswick (Van Deursen), Great Piece Meadows, Essex Co. (Grossbeck).
discolor Coq. Delair (Prof. Smith).
serratus Theob. New Brunswick, vii, 30, x, 5 (Van Duersen); Great Piece Meadow, ix, 17 (Grossbeck); Cape May Point (Viereck).
Anopheles crucians Wied. Lahaway, x, 8; Cape May, ix, 22 (Viereck); Manumuskine, x, 21 (Daecke).
Aedes fuscus O. S. Delair, iv, 21; Lahaway, v, 1.
smithii Coq. Lahaway, vi, 6-ix, 9. Bred from the pitcher plant.
Stegomyia signifera Coq. Riverton, ix, 8; Delair, ix, 20.
Conchyliastes musicus Say. New Brunswick, viii, 29; S. Orange, viii, 26.
Uranotænia sapphirina O. S. Lahaway, vii., 20-26 (Harrison).
Corethrella brakeleyi Coq. Lahaway, viii, 3-15.

CHIRONOMIDÆ

- Orthocladus politus* Coq. Riverton, viii, 17.
platypus Coq. Dunnfield, Delaware Water Gap, vi, 8.
Tanytus bifasciatus Coq. Riverton, iv, 30.
pallens Coq. Riverton.
occidentalis Coq. Riverton, ix, 14.
turpis Zett. Boonton, iii, 8, 12 (Greene).
Chasmatonotus bimaculatus O. S. Westville, v, 15 (Viereck).
Ceratopogon cinctus Coq. Riverton, x, 9.

- Ceratopogon exilis* Coq. Riverton, x, 9.
expositus Coq. Riverton, vi, 3.
johnsoni, Coq. Riverton, vi, 3.
specularis Coq. Riverton, x, 9.
medius Coq. (MS.). Riverton, viii, 7.
mundus Coq., not Loew, = *C. smithii* Coq.
albiventris Loew, page 628, should read *Chironomus albiventris* Lw.

PSYCHODIDÆ.

- Psychoda alternata* Say. Cape May, viii, 20 (Viereck). Bred from water.
marginatis Banks. Riverton, v, 14.
minuta Banks. Riverton, ix, 14. Common on trunk of the
 buttonwood.

TIPULIDÆ.

- Geranomyia canadensis* Westw. Cape May, ix, 21 (Viereck).
Limnophila contempta O. S. Westville, vii, 21.
Trichocera bimacula Walk. Riverton, xi, 3.
brumalis Fitch. Riverton, xi, 3.
Amalopsis vernalis O. S. Lucaston, iv, 14; ix, 28 (Daecke).
Tipula flavicans Fabr. Manumuskin, x, 21 (Daecke).
latipennis Loew. Ocean County.

BIBIONIDÆ.

- Biblio longipes* Loew. Common at Riverton, x, 20.
Dilophus thoracicus Say. Blackwoods, vi, 8 (Bradley).

LEPTIDÆ.

- Symphoromyia cinerea* Johnson. Long Branch, vi, 9-12.

STRATIOMYIDÆ.

- Beris viridis* Say. This is now placed in the genus *Actina*.
Plecticus testaceus Fabr. should read *P. sackenii* Will.
similis Will., and what were referred to *P. sackenii* on page 638,
 should be united under *P. trivittatus* Say.
Euparyphus tetraspilus Loew. Boonton, vi, 14 (Greene).
Clitellaria subulata Loew. Riverton, vii, 8.

TABANIDÆ.

- Chrysops nigrobimbo* Whitney. Jamesburg, vii, 4; Da Costa, vii, 4
 (Skinner).
frigidus O. S. Dover, vi, 23.
Tabanus (*Therioptectes*) *astutus* O. S. Dunnfield, Delaware Water
 Gap, vii.

- Tabanus (Therioplectes) hinei* Johns. = *T. polilus* Johnson, 1890, not Walker, 1871.
gracilis Wied. Da Costa, vii, 20 (Daecke).
sodalis Will., page 642, should read *T. superjumentarius* Whitney.

ASILIDÆ.

- Leplogaster flavillaceus* Loew. Newark, vi, 14.
varipes Loew. Da Costa, vii, 4 (Daecke).
Daulopogon tetragrammus Loew. Clementon, v, 9; Albion, v, 16 (Daecke).
Alomosia sayii Johnson. Laurel Springs, vii, 12 (Daecke).
Dasyttis affinis Macq. Manumuskine, x, 21 (Daecke); Riverton, x, 20.

BOMBYLIIDÆ.

- Anthrax lepidola* O. S. Iona, vi, 16 (Daecke).
Bombylius mexicanus Wied. Iona, vi, 8 (Daecke); Riverton, vi, 16; Clementon, v, 30.
Phthiria coquilletti Johnson, Riverton, vii, 4-6, = *P. n. sp.*, Jamesburg, vii, 4, page 949.

EMPIDIDÆ.

- Hybos reversus* Walk. Jamesburg, vii, 4; Delaware Water Gap, vii, 12.
slossonæ Coq. Buena Vista, vi, 11; Atco, vii, 12.
Syndas polila Loew. Buena Vista, vi, 11.
Empis humilis Coq. Great Notch, v, 4 (Daecke).
Rhamphomyia irregularis Loew. Riverton, iv, 20.
mutabilis Loew. Clementon, v, 10; Wenonah, v, 14.
sordida Loew. Clementon, v, 10.
umbrosa Loew. Boonton, vi, 6 (Greene).
Pachymeria pudica Loew. Great Notch, v, 4 (Daecke).
Litanomyia elongata Melander. Avalon, vi, 9.
Tachydromia brachialis Melander. Boonton, ix, 9 (Greene).
Hemerodromia captus Coq. Boonton, ix, 5-9 (Greene).
Edalea ohiensis Melander, in place of *O. stigmatella* Zett. ? page 654.

DOLICHOPODIDÆ.

- Dolichopus ramifer* Loew. Avalon, vii, 22.
henshawii Wheeler. Cape May, vi, 13 (Viereck).
Gymnopleternus humilis Loew. Boonton, vi, 2 (Greene).
Tachytrechus protervus Melander = *T. n. sp.*, page 655.
binodatus Loew. Durham Pond, Morris Co., viii, 18 (Geo. M. Greene).
Argyra aldrichi Johnson. Long Branch, vi, 11.
Lasiargyra albicans Loew. Riverton, vi, 15 (Daecke).
Hercostomus vetitus Melander, = *H. n. sp.*, on page 655.
Nematoprotus venustus Melander, Westville, vi, 6, = *N. n. sp.*, on page 656.
Hydrophorus viridiflos Walk. Atlantic City, v, 6.

SYRPHIDÆ.

- Callicera johnsoni* Hunter. Manumuskin, iv, 28, 1902 (Daecke).
Psilota buccata Macq. Manumuskin iv, 28 (Daecke).
Melanostoma kelloggi Snow, = *Pyrophæna* sp., Delaware Water Gap, vii, 15, on page 659.
Pelecocera pergandei Will. Lucaston, ix, 28 (Daecke).
Baccha lugens Loew. Manumuskin, x, 8 (Daecke). The Atco specimen referred to this species is an immature *Ocyptamus fascipennis*.
Myiolepta varipes Loew. Clementon, vi, 2 (C. T. Greene).
Temnostoma bombylans Fabr. Riverton, iv, 4; Clementon, vi, 2 (C. T. Greene); Long Branch, vi, 9.

CONOPIDÆ.

- Zodion obliquefasciata* Macq. Riverton, vii, 29, viii, 11.

PIPUNCULIDÆ.

- Pipunculus nitidiventris* Loew. Riverton, ix, 14.
subopacus Loew. Riverton, vi, 1, vii, 19.
houghi Johnson, should be expunged from the list; see ENT. NEWS, April '03, p. 107.
pallipes Johnson. Wildwood, viii, 27.

ÆSTRIDÆ.

- Cuterebra horripilum* Clark. Riverton, vii, 6.

TACHINIDÆ.

- Phoranthia nigrens* v. d. w. Riverton, x, 12, 20.
Allophora pulvereæ Coq. Riverton, x, 20.
diversa Coq. Riverton, x, 12.
Admontia potila Coq. Lucaston, vi, 27 (Daecke).
Clausicella johnsoni Coq. Riverton, ix, 14.
Hyalomyodes triangulifera Loew. Riverton, ix, 14.
Xanthomelana atripennis Say. Hammonton, vii, 6, 1903 (Daecke).
Distichona auriceps Coq. MS. Belleplain, ix, 8 (Daecke).
Siphosturmia rostrata Coq. Iona, v, 26 (Daecke).
Panzeria penitatis Coq. Riverton, x, 9.
Exorista spinipennis Coq. Anglesea, ix, 1.
dorsalis Coq. Riverton, viii, 25.
Euphorocera cinerea v. d. w. Clementon, iv, 21 (Daecke).
Phorocera leucaniæ Coq. Lucaston, iv, 14 (Daecke).
Frontina rubentis Coq. Clementon, viii, 6.
Melopia leucocephala Rossi. Riverton, viii, 13.

DEXIIDÆ.

- Thelairodes cinereicollis* v. d. w. Riverton, v, 30.

ANTHOMYIDÆ.

- Eustalomyia vittipes* Wahlberg. Riverton, iv, 30.
Homalomyia manicata Meig. ? Lucaston, ix, 2 (Daecke).
Mydæa pruinosa Macq. Manumuskin, x, 8 (Daecke) ; Woodbury, vi, 7.
Limnophora arcuata Stein. Riverton, ix, 29 ; Manumuskin, x, 8 (Daecke).
Phaonia pallidula Coq. MS. Delaware Water Gap, vii, 12.
Anthomyia latitarsis Zett. Delaware Water Gap, vii, 15 ; Manumuskin, x, 20 (Daecke).
Pegomyia cepetorum Mead. Atlantic Highlands (Dr. Love).
Lispa hispida Walk. Iona, vi, 8 ; Lucaston, ix, 28 (Daecke).
Chirosia capito Coq. Manumuskin, x, 21 (Daecke).
Lispocephala tacteipennis Zett. Dunnfield, Delaware Water Gap, vii, 15.
Eremomyia cylindrica Stein. Riverton, x, 12.
Cænosiä substituta Walk. Iona, vi, 8 (Daecke).

SCATOMYZIDÆ (SCATOPHAGIDÆ).

- Orthochaeta gilvipes* Loew. Manumuskin, iv, 20 (Daecke).
Hydromyza confluens Loew. Boonton, viii (Greene).
Cordylura confusa Loew ? Seaside Park, v, 16 (Viereck).

HELOMYZIDÆ.

- Anorostoma marginata* Loew. Lucaston, v, 30 (Daecke).

SCIOMYZIDÆ.

- Sciomyza pubera* Loew. Riverton, ix, 29.

ORTALIDÆ.

- Rivellia brevifasciata* Johns. Atco, vi, 18.
Tephronota humilis Loew, = *T. narytia* Walk.
Stictocephala vau (Say), = *Pseudotephritis vau* (Say).
Callopistria annulipes Macq. Merchantville, viii, 1 (Daecke) ; Boonton, viii, 12 (Greene).
Chrysomyza demandata Fabr. Riverton, ix, 9 ; x, 20.
Chætopsia apicalis Johns. Avalon, vi, 9 ; Sea Isle, vii, 22 ; Anglesea, vii, 16.

TRYPETIDÆ.

- Tephritis clathrata* Loew. Riverton, vii, 19.
fucata Fabr. Wildwood, viii, 12 ; Cape May, viii, 1 (Viereck).

SAPROMYZIDÆ.

- Sapromyza magna* Coq. Avalon, vi, 8 (Viereck).

HETERONEURIDÆ.

- Heteroneura spectabilis* Loew. Palisades (Daecke).

SEPSIDÆ.

- Ophthalmomyia bisignata* Coq. Riverton, vii, 4.

EPHYDRIDÆ.

- Notiphila bella* Loew. Westville, vi, 15.
Psilopa fulvipennis Hine. Cape May, vii, 1 (Viereck).
Discocerina magna Coq. Riverton, viii, 17.
Brachydeutera argentata Walk. Riverton, viii, 3; Cape May, viii, 20 (Viereck).
Ephydra subopaca Loew. Atlantic City, v, 6; Seaside Park, v, 16 (Viereck).
Canace snodgrassii Coq. Atlantic City, v, 6.
Hydrellia valida Loew. Cape May, vi, 4 (Viereck).
Parydra quadriluberculata Loew. Cape May, vi, 4 (Viereck).
imitans Loew. Near Anglesea Junction, vi, 25 (Viereck).
Cænia fumosa Sten. Cape May, ix, 17, at light (Viereck).

DIOPSIDÆ.

- Sphyracephala brevicornis* Say. Riverton, iv, 14-20.

DROSOPHILIDÆ.

- Drosophila maculosa* Coq. Riverton, ix, 23.
inversa Walk. Avalon, vi, 8.
ordinaria Coq. MS. Riverton, viii, 4.
multipuncta Loew. Cape May, ix, 23 (Viereck).

OSINIDÆ.

- Elachiptera formosa* Loew. Riverton, ix, 8.
tongula Loew. Clementon, vi, 3.
Siphonella inquilina Coq. Manumuskine, x, 8 (Daecke).

AGROMYZIDÆ.

- Lobioptera lacteipennis* Loew. Avalon, vi, 9.
arcua a Loew. Riverton, viii, 25; Anglesea, ix, 21; Lucaston, viii, 10 (Daecke).
Rhinoessa albula Loew. Wildwood, viii, 27.

BORBORIDÆ.

- Borborus geniculatus* Meig. Merchantville, xi, 16 (Daecke); Boonton, iii, 3 (Greene).

PHORIDÆ.

- Hypocera johnsoni* Brues. Riverton, viii, 31.
Aphiocheta epeiræ Brues. Dunnfield, Delaware Water Gap.
flava Fallen. "N. J."
atlantica Brues. Atco.
minuta Aldr. Boonton, i, 15 (G. M. Green).

All the species referred to the genus *Phora* (Catl., page 698) should now be placed in this genus.

- Conicera atra* Meig. Dunnfield, Delaware Water Gap, vii, 8; Newark, vi, 14.